

U40R05MS1A7-57A07A Nidec 5VDC 40x40x15mm 4-Wire Axial Fan Datasheet



Brand: Nidec

SKU: 738115632021

Category: Axial & Centrifugal Fans

Price: \$13.99

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Product Page:

<https://www.equipspares.com/product/u40r05ms1a7-57a07a-nidec-5vdc-40x40x15mm-4-wire-axial-fan>

Product Description

The Nidec U40R05MS1A7-57A07A is a precision-engineered DC axial fan designed for compact thermal management applications requiring high reliability and low acoustic noise. Featuring advanced brushless motor technology, this unit operates at a rated voltage of 5VDC with a highly efficient current draw of 0.08A, resulting in minimal power consumption. The 40x40x15mm chassis is constructed for structural rigidity, housing an aerodynamic impeller that optimizes airflow while maintaining static pressure in restricted enclosures. Equipped with a 4-wire interface, the fan supports Pulse Width Modulation (PWM) for dynamic speed regulation, allowing for precise thermal impedance matching based on real-time system load. This component is built to meet rigorous industrial standards, offering consistent performance in space-constrained electronic environments.

Model Number: U40R05MS1A7-57A07A

Brand: Nidec Corporation

Product Type: DC Axial Fan

OEM Part Number: X880927-004

Rated Voltage: 5 VDC

Rated Current: 0.08 A

Input Power: 0.40 W

Dimensions: 40 x 40 x 15 mm

Termination: 4-Wire Lead

Connector Type: Proprietary 4-Pin

Speed Control: PWM (Pulse Width Modulation)

Bearing Type: Hydro Dynamic Bearing

Mounting Orientation: Flange Mount

Housing Material: PBT Plastic (UL94V-0)

Application: Xbox One Kinect 2.0 Replacement

The U40R05MS1A7-57A07A is the designated cooling solution for the Microsoft Xbox One Kinect 2.0 motion sensor array, ensuring critical components remain within safe operating temperatures during extended operation. Its compact form factor allows for seamless integration into the Kinect's dense internal architecture, effectively dissipating heat from the depth sensors and camera modules. Beyond this specific OEM application, the U40R05MS1A7-57A07A is well-suited for small form factor (SFF) PCs, 3D printer controller cooling, and other embedded electronics requiring 5V PWM-controlled airflow. Technicians utilizing the U40R05MS1A7-57A07A benefit from its precise speed control and low-vibration operation, making it an excellent choice for noise-sensitive equipment.

Supplemental Images

